

1243-3

LIBRARY  
THE FRANKLIN INSTITUTE

MAY 24 1920

HOT  
WATER





## FOREWORD

SINCE 1834 the firm of Ewarts have been foremost in the public mind as manufacturers of water-heaters.

Their long experience and their pre-eminent position qualify them to speak with authority on all matters appertaining to the various systems of hot-water service.

In the "Califont," which is described in this brochure, Ewarts claim to have achieved the last word in efficiency, comfort, safety, and economy as applied to domestic and public hot-water supply.

The long record of the firm of Ewarts speaks for the quality, workmanship and efficiency of the "Califont," while the thousands of actual users furnish testimony to the complete and lasting satisfaction which this appliance renders in actual service.

*The Luxury of an  
Efficient  
Hot-Water  
Supply.*

AN efficient service for the supply of hot water is one of the greatest needs of the home.

Prior to the invention of the "Califont" one was dependent to a great extent upon the kitchen range, which is at the best of times a very primitive method of heating hot water.

It means irksome work, tedious delay, an extravagant consumption of coal, much dust and dirt, and a disappointing and inadequate result.

Sometimes the fire refuses to light—sometimes the water is lukewarm, and always the supply is insufficient to meet the constant demands of the average household or public institution.

Compare the old-fashioned kitchen range with Ewarts' "Califont."

When the "Califont" enters the home, hot-water worries vanish for ever, and those who have a "Califont" installed need no longer be dependent upon obsolete methods of heating water.

The "Califont" means hot water at a moment's notice with practically no more trouble than the turning on of a tap.



No delay for the Baby's Bath.



A Hot Bath at a moment's notice.

*What the "Califont" is.*

THE "Califont" is an independent, self-controlled, instantaneous water Heater, capable of supplying hot water immediately to one or more taps or throughout the entire house, according to the size of the Heater installed.

It may be connected to existing hot-water pipes in place of the kitchen boiler.

*How it works.*

The "Califont" is a self-contained hot-water system.

Beyond lighting the pilot-light, it requires no attention. It is operated entirely by the opening and closing of the hot-water taps in any part of the house. The gas remains always at the lowest point until brought into full power by the opening of any hot-water tap on the system. It remains at full power only while the hot water is running, and returns to minimum directly the tap is shut off; there is no waste of gas whether it be a pint heated or enough to fill a bath.

The "Califont" automatically adjusts the amount of gas consumed to the amount of water required.

*The Simplicity  
of the  
"Califont."*

THERE is probably no item which contributes more to home-comfort than the luxury of a constant and never-failing hot-water supply. Compare the luxury of the "Califont" with the inconvenience of the hot-water facilities in the average house.

A turn of the tap and all the water you need—whether it be for a bath or for shaving—is instantly available at any hour of the night or day.

The "Califont" means comfort in the home, safety in emergency and efficiency in domestic routine.



Hot Water quickly for Shaving



Hot Water always ready for domestic uses.

#### *Helping to Solve the Servant Problem.*

WHERE there is a "Califont" installed in a house the work of the domestic staff is rendered considerably lighter.

The vexed problem of lighting fires for hot baths is solved for ever.

The "Califont" supplies just sufficient hot water for the needs of the moment in the shortest possible space of time.

There is no delay in waiting for water to heat—no fear of the supply failing just when it is needed most.

The mistress who possesses a "Califont" will find that it helps towards the solution of the servant problem, and she will reap the benefit of its never-failing hot-water supply every hour of the day—and sometimes of the night.

*The Economy  
of the  
"Califont."*

WHEN no hot water is being drawn off, the amount of gas consumed by the "Califont" is purely negligible.

When actually heating water it operates instantly, and so there is no waste. With gas at 1/2 per therm, the "Califont" delivers about 30 gallons of hot water (sufficient for a bath) increased in temperature 40 degrees above the temperature of cold water at a cost of about 2d.

Contrast this with the boiler of a kitchen range. To obtain hot water at a given time the fire has to be lit some considerable time in advance. When the hot water has been drawn off, the fire is burning up coal needlessly; and, unless it be heavily stoked, will not yield any more really hot water.

The "Califont" is ready directly it is wanted, and it feeds itself with the fuel it requires.



Hot-Water Service night or day.



The luxury of Hot Water always available.

*The Uses of the "Califont."*

THE manifold uses to which the "Califont" lends itself—the many occasions on which it fills an unexpected demand for hot water—these will be so obvious as to call for but passing mention.

In the home, besides its many domestic uses, its extreme value in case of sudden illness will be appreciated.

In Hotels, in Hospitals, in Nursing Institutions, in Doctors' and Dentists' Surgeries and Laboratories, the "Califont" proves its efficiency.

It is no less essential in the Dairy, in Workshops, in Shops, Restaurants, Sports Clubs, etc.

In fact, wherever and whenever hot water is wanted quickly the "Califont" may be depended upon to meet all requirements. It works quietly and cleanly at the mere turning of a tap.

*Safety Ensured.*

THE safety of the "Califont" is ensured by carefully constructed valves. It is so designed as to be fool-proof even when operated by the youngest scullery maid.

The greatest tribute to the uniform safety of the "Califont" is the fact that there are large numbers at present in use in many different parts of the country, and that one of the chief points about which all owners are agreed is its unfailing reliability under all conditions.



Assisting the Household Staff.



Hot Water for the Sickroom.

### *A Comfort for Life.*

IN the average household the price of a "Califont" is paid over and over again by the money wasted on obtaining an inefficient hot-water supply. Why not settle the hot-water problem once and for all by having a "Califont" installed in your own home?

Imagine the luxury of being able to run on hot water instantly—night or day—by just a turn of the tap!

By installing a "Califont" now you are paying a small premium that will provide a great and lasting boon in the home. A reliable and instantaneous hot-water supply is a comfort and a luxury that you will enjoy every day of your life.

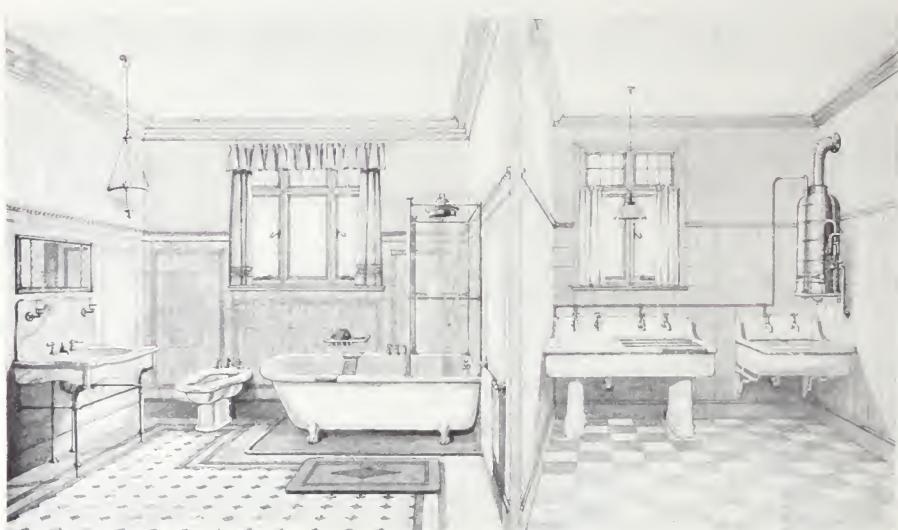
# EWARTS' "B" PATTERN "CALIFONT"

*Registered*

"Sealed System." Hot Water under Pressure.

INDEPENDENT SUPPLY OF HOT WATER INSTANTLY  
WHENEVER REQUIRED.

HOT-WATER SUPPLY to BATHROOM, SCULLERY, etc., in FLATS.



ONE "CALIFONT" SUPPLIES all the SERVICES ILLUSTRATED

An unlimited supply of hot water may be obtained in the bathroom, kitchen, lavatory basins and bedrooms by turning on any of the hot-water taps.

There is no limit to the supply of hot water, which flows as long as the hot-water tap is left open.

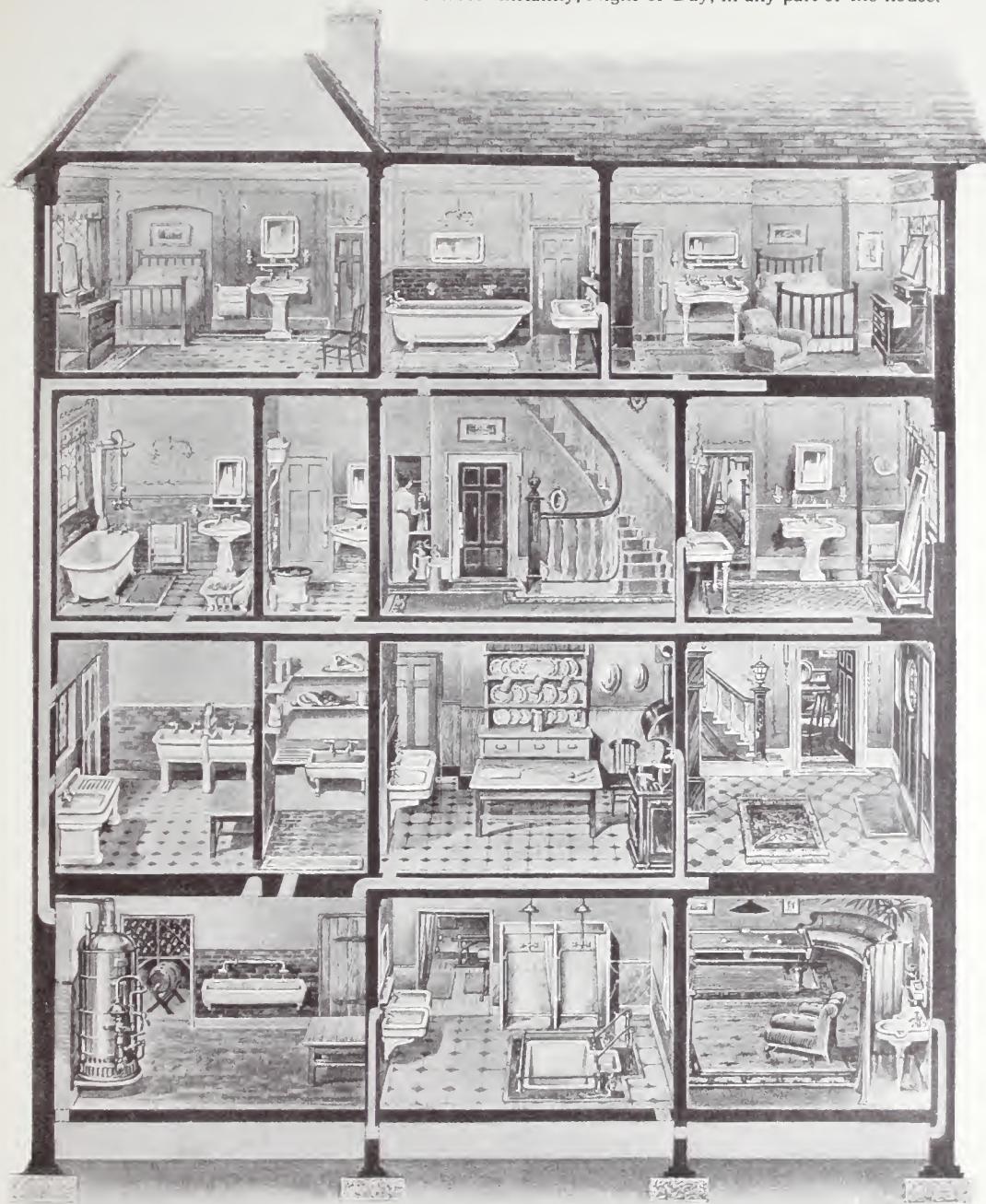
Should the water supply fail for any reason, the gas cannot be raised.

For heating water for baths and where small quantities of hot water are intermittently required, the actual cost of gas burnt by the "CALIFONT" is considerably less than the cost of the coal fire required to produce the same results—while the saving of time and the absence of dirt and dust by the use of gas as compared with coal cannot be over-estimated.

# EWARTS' AUTOMATIC WATER-HEATERS

THE "CALIFONT"

Hot Water instantly, Night or Day, in any part of the house.



The illustration shows the "Califont" fixed in the basement of a house with hot-water services to the various rooms.  
The "Califont" may, if preferred, be fixed in the bathroom or any other convenient position.

# EWARTS' "B" PATTERN "CALIFONT"

*Registered*

EWARTS' "B" PATTERN "CALIFONT" is an instantaneous water heater; the cold water is heated as it passes through the apparatus, and provides a limitless supply of hot water to as many taps as desired.

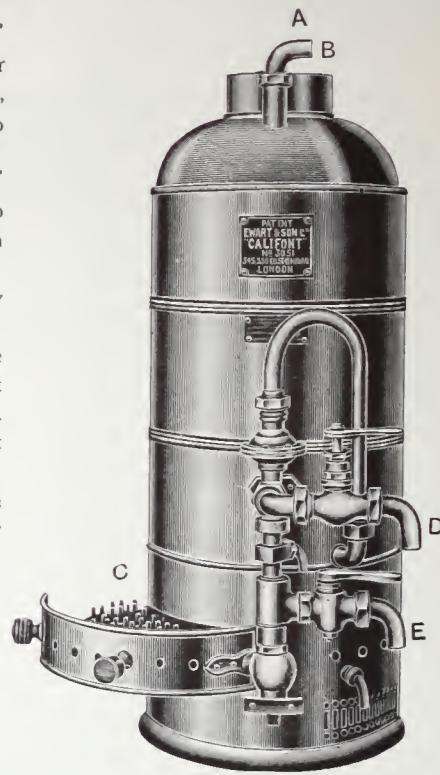
The working parts of the "CALIFONT" are made of stout hardened copper tested to stand a pressure of 150 lbs. to the square inch (ten atmospheres).

The outer casing is made of copper, highly polished and lacquered.

The Automatic Valve opens and closes by the pressure and flow of the water and does not depend upon the action of any weights or springs. The fittings, valve and taps are of the highest quality.

The burner is the safety white flame pattern and is made to swing out for safety and easy lighting.

- A.—Socket for ventilating pipe.
- B.—Hot-water outlet from "CALIFONT."
- C.—Improved Safety Swing-out Burner.
- D.—Cold-water inlet.
- E.—Gas inlet.



## SIZES AND PRICES.

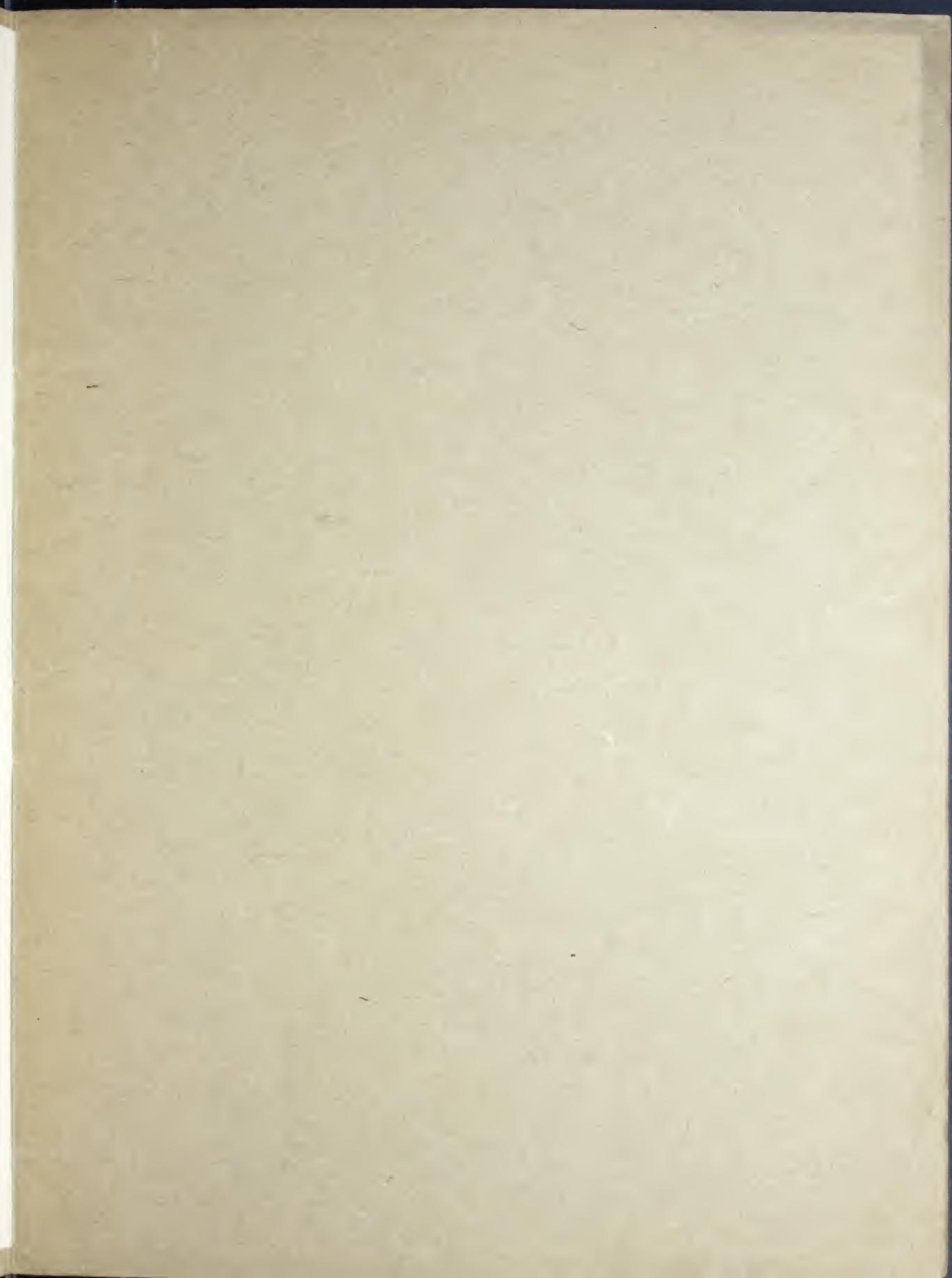
List No.	Heats per min. galls.	Diameter ins.	Height ins.	Gas Supply Inside diam. ins. $\frac{1}{2}$	SUITABLE FOR	Polished copper finish. £ s. d.			Copper-bronzed finish. £ s. d.			Nickel-plated finish. £ s. d.										
						1 Lavatory Basin and Bidet.	18 0 0	19 15 0	20 0 0	1 Bath or 3 Basins and Bidet.	22 0 0	24 0 0	24 5 0	1 Bath, Basin, and Bidet.	27 4 0	29 14 0	30 0 0	1 Bath, Kitchen supply, Basin, and Bidet.	40 16 0	44 16 0	45 6 0	Supply throughout House.
40	$1\frac{1}{2}$	9	29	$\frac{3}{4}$																		
41	2	$10\frac{1}{2}$	31	$\frac{3}{4}$																		
42	3	$12\frac{1}{2}$	33	$\frac{3}{4}$																		
43	4	14	38	1																		
44	6	16	41	$1\frac{1}{4}$																		
45	8	$18\frac{1}{2}$	43	$1\frac{1}{2}$																		
46	10	20	48	2																		
47	16	26	60	2																		

NOTE.—Nos. 46 and 47 have fixed burners.

EWARTS' "B" PATTERN "CALIFONT" is made in eight sizes, with a heating capacity of  $1\frac{1}{2}$  gallons per minute up to 16 gallons per minute.

The temperature of the heated water flowing at these rates with a satisfactory gas supply of average pressure and calorific value, is raised 40 degrees Fah. above that of the cold water.

The temperature of the water may be increased or diminished according to the size of the stream.



# EWART & SON LTD.

*Established 1834.*

Contractors to Admiralty, War Office, India Office, H.M. Office of Works, L.C.C., etc.

20 Gold Medals and Awards

**346-348-350 EUSTON ROAD N.W.1.**

Telephone:  
Museum 2570.  
(4 lines.)

Telegrams:  
GEYSER,  
LONDON.